September 23, 2016

MEMORANDUM FOR: Distribution Email

FROM: Chris Caruso Magee
                                       Configuration Manager, NCEP Central Operations

SUBJECT: Scheduled Operational Changes and Upgrades for
                                       CPC, OPC, and WPC

Climate Prediction Center

The following accelerated items were implemented this past week:

None

The following will be implemented the week of September 26, 2016:

RFC #733 - WK34_verification v1.1.0 - CPC Management requested additional
skill score time series for the official WK34 forecasts. In addition to the full grid
and non-EC only Heidke Skill Scores, Management requested scores computed
for the forecasts of the above and below categories separately. To be
implemented on September 27 at 1930Z.

The following RFCs are in progress:

None

The following NCO RFCs to be implemented the week of September 26, 2016
may affect CPC:

RFC #2129 – WCOSS – IBM will make a change to esub with regards to cwd
(#BSUB -cwd /path/to/dir): This change is threefold:

-> If you do not specify a valid cwd in your job card, then LSF will reject your job.
-> The default -cwd will be $PWD on the Cray system to come in line with the
current configuration on the IBM systems.

-> A warning message will be issued if your job uses /tmp for -cwd because this is not best practice, but your job will continue to run as is.

To be implemented beginning on September 26 at 1800Z on Gyre/Surge, and will be completed on Tide/Luna by 1900Z on September 28.

RFC #2367 – Modify the cpc puppet class to add the www redirect for CPC. To be implemented on September 28 at 1400Z.

The following NCO RFCs are in progress and may affect CPC:

None

Ocean Prediction Center

The following accelerated items were implemented this past week:

None

The following will be implemented the week of September 26, 2016:

RFC #734 - Vibrio_DoublingTimes_BestHrvst_NH.m v2016.09.26 - Header text formatting is being changed to increase legibility in images for Vibrio web pages. Changes were suggested by NOS/NCCOS web team partners. To be implemented on September 26 at 1330Z.

The following RFCs are in progress:

None

The following NCO RFCs to be implemented the week of September 26, 2016 may affect OPC:

RFC #2129 – WCOSS – IBM will make a change to esub with regards to cwd (#BSUB -cwd /path/to/dir): This change is threefold:

-> If you do not specify a <u>valid</u> cwd in your job card, then LSF will reject your job.

-> The default -cwd will be $PWD on the Cray system to come in line with the current configuration on the IBM systems.

-> A warning message will be issued if your job uses /tmp for -cwd because this is not best practice, but your job will continue to run as is.

To be implemented beginning on September 26 at 1800Z on Gyre/Surge, and will be completed on Tide/Luna by 1900Z on September 28.

RFC #2240 – product processor v1.1.0 - The production product parser for forecast.weather.gov is currently ignoring products that are corrections. This is a bug fix so that WWA (Watches/Warning/Advisory) corrections (COR) will show up on forecast.weather.gov. Was to be implemented on August 23 at 1400Z; postponed to September 7 at 1400Z due to CWD; postponed again to September 26 at 1400Z due to developer availability.

RFC #2360 – OBSPROC v6.4.0 – This WCOSS OBSPROC upgrade will adjust the dump window for GPS-IPW (GPS Integrated Precipitable Water) from +/- 3 hours to +/- 0.05 hours (3 min) to accommodate the new Ground Based GPS-IPW/ZTD data from ENI (Earth Networks, Inc.) and foreign GNSS providers in dump message type NC012004, and change the "gpsipw" dump file's group to "rstprod" for users in the rstprod group. To be implemented on September 27 at 1200Z.

The following NCO RFCs are in progress and may affect OPC:

None

Weather Prediction Center

The following accelerated items were implemented this past week:

RFC #732 – WPC Winter Weather Desk scripts v2016.09.20 - Increased the decimal precision of the 2.5 km NDFD grid specifications in the following scripts: wwd-mkslrgif, wwd-mk6hgrb2, and wwdmkgrb2. GRIB2 output from these scripts was not being stored correctly. Increasing the decimal precision resolved this issue. Implemented on September 20 at 1800Z.

The following will be implemented the week of September 26, 2016:

RFC #735 - Add NAMX to the operational NMAP along with soil moisture and QPF displays. Add soil moisture displays for HRRR and HRRR_EXP. To be implemented on September 26 at 1300Z.

RFC #736 - Implement a new home page for WPC. The web address is http://www.wpc.ncep.noaa.gov/para/ . To be implemented on September 27 at 1200Z.

RFC #737 - Install a process on the WPC Compute Farm to create a WPC-NDFD snowfall forecast difference grid for the WWD internal webpage. The graphic will help facilitate collaboration between WPC forecasters and WFOs. To be implemented on September 27 at 1300Z.

The following RFCs are in progress:

RFC #719 - WPC Winter Weather Desk Scripts wwx_mdl.sh, wwx_ecens.sh v2016.08.22 - Upgrade the WPC winter weather ensemble to: 1.) add all 21 GEFS ensemble members at half-degree resolution; 2.) add ARW and NMMB high-resolution window runs; and 3.) improve the freezing rain ice liquid ratio using the Freezing Rain Accumulation Model (FRAM). The winter weather ensemble is used to generate WPC's probabilistic winter weather products and probabilistic QPF products. Was to be implemented on August 22 at 1300Z ; delayed to September 12 at 1300Z to allow for adjustments to be made to the new script and allow for additional testing. This should be completed by September 23.

The following NCO RFCs to be implemented the week of September 26, 2016 may affect WPC:

RFC #2129 – WCOSS – IBM will make a change to esub with regards to cwd (#BSUB -cwd /path/to/dir): This change is threefold:

-> If you do not specify a valid cwd in your job card, then LSF will reject your job.
-> The default -cwd will be $PWD on the Cray system to come in line with the current configuration on the IBM systems.
-> A warning message will be issued if your job uses /tmp for -cwd because this is not best practice, but your job will continue to run as is.

To be implemented beginning on September 26 at 1800Z on Gyre/Surge, and will be completed on Tide/Luna by 1900Z on September 28.

RFC #2240 – product processor v1.1.0 - The production product parser for forecast.weather.gov is currently ignoring products that are corrections. This is a bug fix so that WWA (Watches/Warning/Advisory) corrections (COR) will show up on forecast.weather.gov. Was to be implemented on August 23 at 1400Z; postponed to September 7 at 1400Z due to CWD; postponed again to September 26 at 1400Z due to developer availability.

RFC #2360 – OBSPROC v6.4.0 – This WCOSS OBSPROC upgrade will adjust the dump window for GPS-IPW (GPS Integrated Precipitable Water) from +/- 3 hours to +/- 0.05 hours (3 min) to accommodate the new Ground Based GPS-IPW/ZTD data from ENI (Earth Networks, Inc.) and foreign GNSS providers in dump message type NC012004, and change the "gpsipw" dump file's group to "rstprod" for users in the rstprod group. To be implemented on September 27 at 1200Z.

The following NCO RFCs are in progress and may affect WPC:

None

Please note that security-related RFCs are never listed in the RFC memo.

---- OPERATIONAL ANNOUNCEMENTS ----

The CPC/OPC/WPC Configuration Management documents are available at https://sites.google.com/a/noaa.gov/nws-ncep-nco-cm/.

Please review these documents if you have questions prior to submitting changes for CPC/OPC/WPC configurable items.

 Users who wish to view their network utilization via the Scrutinizer   appliance may request access from NCO/IWSB. Please send an account request to the NCWCP Helpdesk at NCWCP.helpdesk@noaa.gov.